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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: June 17, 2003, 16:25:00 ; Search time 151.752 Seconds  
(without alignments)  
10334.327 Million cell updates/sec

Title: US-09-807-933B-6  
Perfect score: 1083 /  
Sequence: 1 atgagatccctaccattgc.....ctggctgtccaagaataa 1083

Scoring table: IDENTITY\_NUC  
Gapop 10.0, Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:  
1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOM3.seq:\*  
2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*  
3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*  
4: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*  
5: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOM3.seq:\*  
6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOM3.seq:\*  
7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*  
8: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOM3.seq:\*  
9: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*  
10: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOM3.seq:\*  
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12: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOM3.seq:\*  
13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*  
14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOM3.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | ID                     | Description        |
|------------|-------|-------------|--------|------------------------|--------------------|
| 1          | 218.2 | 20.1        | 1473   | 10 US-09-735-787-3     | Sequence 3, Appli  |
| 2          | 205.4 | 19.0        | 1423   | 9 US-10-007-521-9      | Sequence 9, Appli  |
| 3          | 181   | 16.7        | 1174   | 9 US-10-007-521-11     | Sequence 11, Appli |
| 4          | 178.2 | 16.5        | 927    | 9 US-10-007-521-5      | Sequence 5, Appli  |
| 5          | 178   | 16.4        | 960    | 9 US-10-007-521-1      | Sequence 7, Appli  |
| 6          | 177   | 16.3        | 894    | 9 US-10-007-521-3      | Sequence 3, Appli  |
| 7          | 171.8 | 15.9        | 1261   | 9 US-09-261-329-23     | Sequence 23, Appli |
| 8          | 170.2 | 15.7        | 913    | 9 US-10-007-521-13     | Sequence 13, Appli |
| 9          | 168.4 | 15.5        | 885    | 9 US-10-007-521-23     | Sequence 23, Appli |
| 10         | 161.8 | 14.9        | 1060   | 10 US-09-735-787-1     | Sequence 1, Appli  |
| 11         | 161.6 | 14.9        | 1132   | 9 US-10-007-521-21     | Sequence 21, Appli |
| 12         | 161.6 | 14.9        | 1154   | 9 US-10-007-521-7      | Sequence 7, Appli  |
| 13         | 159.8 | 14.8        | 808    | 9 US-10-007-521-15     | Sequence 15, Appli |
| 14         | 158.4 | 14.6        | 1031   | 9 US-10-007-521-19     | Sequence 19, Appli |
| 15         | 158.4 | 14.6        | 1048   | 9 US-10-007-521-17     | Sequence 17, Appli |
| 16         | 131.8 | 12.2        | 425    | 9 US-10-007-521-25     | Sequence 25, Appli |
| 17         | 75.4  | 7.0         | 936    | 7 US-08-841-636A-30    | Sequence 20241, A  |
| 18         | 71    | 6.6         | 1635   | 10 US-09-864-761-20241 | Sequence 3471, Ap  |
| 19         | 71    | 6.6         | 1973   | 10 US-09-864-761-3471  |                    |

|      |      |     |        |                        |                     |
|------|------|-----|--------|------------------------|---------------------|
| C 20 | 70.2 | 6.5 | 1075   | 10 US-09-864-761-19241 | Sequence 19241, A   |
| C 21 | 69   | 6.4 | 1403   | 10 US-09-864-761-2513  | Sequence 2513, Ap   |
| C 22 | 64.4 | 5.9 | 479    | 10 US-09-864-761-768   | Sequence 768, Ap    |
| C 23 | 64.4 | 5.9 | 820    | 10 US-09-864-761-19531 | Sequence 19531, A   |
| C 24 | 61.8 | 5.7 | 446    | 10 US-09-864-761-20699 | Sequence 20699, A   |
| C 25 | 60.4 | 5.6 | 159    | 9 US-10-007-521-71     | Sequence 71, Appli  |
| C 26 | 60.4 | 5.6 | 225    | 9 US-10-007-521-31     | Sequence 425, Appli |
| C 27 | 59.2 | 5.5 | 1671   | 10 US-09-801-368-425   | Sequence 425, Appli |
| C 28 | 58.6 | 5.4 | 436    | 10 US-09-864-761-19666 | Sequence 19666, A   |
| C 29 | 56.8 | 5.2 | 177    | 9 US-10-007-521-13     | Sequence 2885, Ap   |
| C 30 | 56.2 | 5.2 | 155074 | 9 US-10-026-188-6      | Sequence 3, Appli   |
| C 31 | 55.6 | 5.1 | 476    | 10 US-09-864-761-6     | Sequence 6, Appli   |
| C 32 | 55.2 | 5.1 | 867    | 10 US-09-216-393-340   | Sequence 340, Appli |
| C 33 | 55.2 | 5.1 | 867    | 10 US-09-216-393-342   | Sequence 342, Appli |
| C 34 | 55.2 | 5.1 | 1397   | 10 US-09-216-393-343   | Sequence 343, Appli |
| C 35 | 55.2 | 5.1 | 1397   | 10 US-09-216-393-345   | Sequence 345, Appli |
| C 36 | 54.4 | 5.0 | 401    | 10 US-09-864-761-3936  | Sequence 3936, Ap   |
| C 37 | 53.2 | 4.9 | 171    | 9 US-10-007-521-51     | Sequence 51, Appli  |
| C 38 | 53   | 4.9 | 249    | 10 US-09-864-761-16846 | Sequence 16846, A   |
| C 39 | 53   | 4.9 | 1988   | 10 US-09-864-761-2765  | Sequence 2765, Ap   |
| C 40 | 53   | 4.9 | 3331   | 9 US-09-864-761-19481  | Sequence 19481, A   |
| C 41 | 51.4 | 4.7 | 180    | 9 US-10-007-521-41     | Sequence 41, Appli  |
| C 42 | 50.8 | 4.7 | 4614   | 10 US-09-801-368-103   | Sequence 103, Appli |
| C 43 | 50.4 | 4.7 | 205    | 10 US-09-864-761-19666 | Sequence 19666, A   |
| C 44 | 50.4 | 4.7 | 1800   | 10 US-09-822-849A-1    | Sequence 1, Appli   |
| C 45 | 49.8 | 4.6 | 2150   | 10 US-09-826-752-13    | Sequence 13, Appli  |

#### ALIGNMENTS

RESULT 1  
US-09-735-787-3  
Sequence 3, Application US/09735787  
Patent No. US20010036910A1

GENERAL INFORMATION:  
APPLICANT: Rasmussen, Grethe  
Mikkelsen, Jan Moller  
Schleien, Martin  
Pakker, Shankant A.  
Hagen, Fred  
Endoglucanase Bnzyme

TITLE OF INVENTION: A Cellulase Preparation Comprising an

NUMBER OF SEQUENCES: 33

CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. US20010036910A1 No. US20010036910A1disk of No. US200100369  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/735,787  
FILING DATE: 13-Dec-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/189,028  
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:  
NAME: Lambirth, Eliae J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 3469,214-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1473 base pairs

TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Fusarium oxysporum  
STRAIN: DSM 2672  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 97..1224  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-735-787-3

Query Match 20.1%; Score 218.2; DB 10; Length 1473;  
Best Local Similarity 63.0%; Pred. No. 5.9e-58;  
Matches 394; Conservative 0; Mismatches 213; Indels 18; Gaps 3;

449 GTGTGCTCCCGTAAATGTTGAACCACTGCTACTGAGATTGTTGAAGCTTTTGA 508  
143 GTGTGCTCTTGAAGCGGTCACTTACTGATAGTGGATTGCTCAAGCTTCTGTCT 202  
509 GTTGGCCCGGTAAAGCTGATGTCACTCCCTTGTGCTTCTTAACAAGATGTTAA 568  
203 CTTGAGCGGAAAGCTGTCTGTCAACGCCCTGCTTTAACTTGATTAAGAACAGAAC 262  
569 CTCTTGCTGATTAACAACAACCTCAAAAGCGTGT--GTTGTTGTTAGACAGTACCTGTA 625  
263 CCAATTCACAACCAATCTGTCAACGTTGTAGGGTGTGGTCTTATGCTTATGCTTGA 322  
626 ATGACAAATCAACCTTGGTGTGTTAGCGACGACCTTGGTCTTGGCCGCTTCA 685  
323 CCAACTACTCTCCGCGGTGTCAACGATGAGCTTGGCTTGAAGTTGCTGCTACAGA 382  
686 TTTCTGTGTGATGCGAAGCTACTTGGTGTGCTGCTGCTTGAACCTACCTCTTA 745  
383 TCTCGGTGTGCTCAAGGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 442  
746 CTGCGGTCAAGGTTAAGAGATGTTGTTCAAGTAACTGCTTGTGACCTTGGCT 805  
443 GCCCGTCAAGGCAAGAGATGATGCTCAGTCCACCAACAGTGAAGTATCTCGCG 502  
806 CTAAACATGCTGCTCACTTTGACTTGAACATGCCGAGTGTGTGTGTGTGTGTGTGT 865  
503 ACAAC-----CACTTGATCTGATGATGCTCCGCGGTGTGTGTGTGTGTGTGTGT 553  
866 GTTGTGCACTCAATGAGGTGTCTCCACCGATGTTGGGTGCAAGATAGCGCGGTGT 925  
554 GCTGCACTCTGAGTTGCG-----CAAGGCTCTCGGCGGTGTCCAGTACCGCGGTATCT 607  
926 CTCTGCTCTGACTGTTCTTAACCTTCTTGTGCGCTTCAAGCTGTTGTATGAGAGAT 985  
608 CTCCTCCAGACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 667  
986 TCGGCTGTCTCAAAAAGCTGATTAACCAACATGACCTTAAACAAAGTTACTCTTCCA 1045  
Db TCGACTGTGTGAGAGACCGGACCAACCTTGACTTCACTTTGAGCGTTGAGTCCCA 727  
1046 AGGCTATCACTGCCAAGTCTGCTG 1070  
728 AGGCTCTCTCGACATCATGTGATG 752

RESULT 2  
US-10-007-521-9  
Sequence 9, Application US/10007521  
Publication No. US20030054539A1  
GENERAL INFORMATION:  
APPLICANT: Schultein, Martin  
Amdersen, Lene N.  
Lassen, Soren F.  
Kauppinen, Markus S.

Lange, Lene  
Nielsen, Ruby I.  
Ihara, Michiko  
Takagi, Shinobu  
TITLE OF INVENTION: No. US20030054539A1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESS: No. US20030054539A10 No. US20030054539A1disk of No. US200300545  
STREET: 405 Lexington Avenue, 64th floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
FILING DATE: 10-Dec-2001  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655

## INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:  
LENGTH: 1423 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA

FEATURE:  
NAME/KEY: CDS  
LOCATION: 110..1156  
SEQUENCE DESCRIPTION: SEQ ID NO: 9:

US-10-007-521-9  
Query Match 19.0%; Score 205.4; DB 9; Length 1423;  
Best Local Similarity 60.9%; Pred. No. 6.2e-54;  
Matches 376; Conservative 0; Mismatches 226; Indels 15; Gaps 2;

454 GCCTCGGTATGTTGAACAACCACTGCTACTGAGATTGTTGAAGCTTGTGCACTTG 513  
170 GCCTGGGCAAGGCAACACCAACCGCTACGAGATTGCTCAAGACTTCTTGGCATGG 229  
514 CCGGTAAAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 573  
230 GAAGGCAAGGCAATCGTCTCCAGAGCTGTCTGATGATGATGATGATGATGATGATGAT 289  
574 GCTGATTAACAACACTCAAAAGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 633  
290 GTGATGCAAGCGCAAGACCGGCTGCGACGGCGGGCGGCGGCGGCGGCGGCGGCGGCGG 349  
634 CAACCTTGGTGTGAGACGACCTGCTACGAGTTTGGCGGCTTCAATTTCTTGTGT 693  
350 TCCCTTGGGCGGTGAGCGAGGAGCTGCTTGAAGATTGCTGCGCACAGCCCTCAGCGGC 409  
694 GGTAGCAAGCTACTTGT 753  
410 GGACTAGAGGAGAGCTGTGCTGCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 469  
754 AAGGTAAAGAGATGTTGTTCAAGTAAACCAACACTGTTGACTTGAACCTTGAACACT 813  
470 GCTGGCAAGAGATGTTGTTCAAGTAAACCAACAGGAGGAGGAGGAGGAGGAGGAGGAGG 526

QY 814 GGTGCTCACTTGAATGCAAAATGCGGAGTGGTGTGATCTACAAATGTTGGCC 873  
Db 527 -----GACTTGAATGATATCCCGGTGAGGCGCTCGCATCTTGAAGGTTGCTCG 580  
QY 874 ACTCAATGGGTGCTCCCAACGATGTTGGGTGCAAGATACGGCGGTGTTCTTTCGCC 933  
Db 581 GCTAGATCGGACAACACT-----TCTTCCCGGCGAGCGCTTAAGAGGTTTCGTTCCGCG 634  
QY 934 TCTGACTGTTTAACTTCTTCTGCGCTTCAAGCTGTGTAAGTGAATTCGCGCTCG 993  
Db 635 TCTCAATGCAATGCAATGCGGAGCTCTTGAAGAAGGTTGTCAGTGGCGCTTGAATCG 694  
QY 994 TTCAAAACGCTGATTAACCAACCAATGACTTCAAAACCAAGTTACCTGTCCCAAGGCTATC 1053  
Db 695 TTCAAGAAGCTGACAAACCTGACATGAGTTGAGAGAGTTCAGTGTCCCAAGAGCTC 754  
QY 1054 ACTGCCAAGTTGCGCTG 1070  
Db 755 ATTGCGGTCTCTGGGTG 771

## RESULT 3

US-10-007-521-11  
; Sequence 11, Application US/10007521  
; Publication No. US20030054539A1  
GENERAL INFORMATION:  
APPLICANT: Schulein, Martin  
Andersen, Lene N.  
Lassen, Soren F.  
Kauppinen, Markus S.  
Lange, Lene  
Nielsen, Ruby I.  
Ihara, Michiko  
Takagi, Shinobu  
TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. US20030054539A1o No. US20030054539A1d1sk of No. US20030054539A1  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/007,521  
FILING DATE: 10-Dec-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366-200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1174 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 60..956  
SEQUENCE DESCRIPTION: SEQ ID NO: 11:

## US-10-007-521-11

Query Match 16.7%; Score 181; DB 9; Length 1174;  
Best Local Similarity 58.2%; Pred. No. 2,6e-46;  
Matches 366; Conservative 0; Mismatches 245; Indels 18; Gaps 2;

QY 442 GTCTCTGGTGGTCCCTCCGATATGTAAGTAAACCACTGCTACTGGAATGTTGTAAGCT 501  
Db 111 GTGCGCTCCGGCGGACAGTGGAGTGGCCAGTCCAGATCAAGATATCTGGACTGTGCAAGCG 170  
QY 502 TCTTGCACTTGGCCCGGTAAAGCTGATGCTACCTCCCTGTGGCTCTGTAAACAAGAT 561  
Db 171 TCGTGCCCTTGGCCCGGAAAGCCGCGCTAGCCAAACCGGCTTACGAGTGGAGCCAAAC 230  
QY 562 GGTAAAGCTCTTGATTAACAACACTCAAAACGCGTGTGTGGTGAAGCACTACACC 621  
Db 231 TTCAAGGCGCTGTCCGACTTAATGTCAGTGGGCTGCAACGCGGCTCGGCTTACCTC 290  
QY 622 TGTAAATGACATCAACCTTGGGTTGTTAGGACGACCTTGGCTTTCGCGCTGCT 681  
Db 291 TGCGCGACCAAGACTCCCTGGGCGGTGAAGACAAATCTCGCTACGGGTTGCGCGACG 350  
QY 682 TCAATTTCTGTGTGTAAGCAACTACTTGTGTGTGCTGTGTTCAACTCAATTCACC 741  
Db 351 AGCATCCCGCGCGGCTCCGAATCTCGTGTGTGCTGCGCTGTGCTACCGGCTTCACT 410  
QY 742 TCTACTGCGCGTCAAGGGTAAAGATGTTGTTCAAGTAAACCAACTGTTGACCTT 801  
Db 411 TCGGCTCCGTCGCCGCAACATGTGTGATGATCAAGACATCGGCGGACCTG 470  
QY 802 GGCTTTAAACATGTGTGCTCACTTGTGCAAAATGCGCGGTGTGTGTTGATTAAC 861  
Db 471 GGAAGTAAC-----CAGTTGATATGCCATGCCCCGCGGCGGCGGATCTTC 521  
QY 862 AATGTTGTGCACTCAATGGGGTGTCTCCACCGATGTTGGGTGCAAGTATAGCGCT 921  
Db 522 AACCGCTGACGTGCGATTCGCGGCGCTCC-----GGCGCTCAATATAGCGCGC 572  
QY 922 GTTCTCTGTGCTGTGATCTTCACTTCTTGTGCGCTTCAAGCTGTGTAAAGTG 981  
Db 573 ATTTGTGCGCGACAGTGGATTCCTTCCCGCGGCTCAAGCCGCGTGCAGTGG 632  
QY 982 AGATTGGCTGTCAAAAACGCTGATTAACCAACCAATGACTTCAAAACATTAACCTGT 1041  
Db 633 CGTTTACCTGTTCAGAAACCGGACCAACCCGACGTTCAAGTTCAGCAGGTGACAGTGC 692  
QY 1042 CCNAAGCTATCACTGCCAAGTCTGCTG 1070  
Db 693 CCGCGCAGATCGTTGCCGCTCGGCTG 721

## RESULT 4

US-10-007-521-5  
; Sequence 5, Application US/10007521  
; Publication No. US20030054539A1  
GENERAL INFORMATION:  
APPLICANT: Schulein, Martin  
Andersen, Lene N.  
Lassen, Soren F.  
Kauppinen, Markus S.  
Lange, Lene  
Nielsen, Ruby I.  
Ihara, Michiko  
Takagi, Shinobu  
TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. US20030054539A1o No. US20030054539A1d1sk of No. US20030054539A1  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/007,521  
 FILING DATE: 10-Dec-2001  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/651,136  
 FILING DATE: 21-MAY-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lambiris, Elias J.  
 REGISTRATION NUMBER: 33,728  
 REFERENCE/DOCKET NUMBER: 4366,200-US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-867-0123  
 TELEFAX: 212-878-9655  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 927 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 1..924  
 SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
 US-10-007-521-5

Query Match 16.5%; Score 178.2; DB 9; Length 927;  
 Best Local Similarity 57.7%; Pred. No. 1.7e-45;  
 Matches 362; Conservative 0; Mismatches 253; Indels 12; Gaps 2;

456 CTCGGGTAATGTTGAACCACTGGCTAGTGGATTGTTAGACCTTCTTGCAGTTGGCC 515  
 60 CTGGGCACTGGCCAGACGACCCGGTACCTGGTACCTGCAAGACGAGCTGGCTGGCC 119  
 516 CGTAAAGCTGATGTCACCTCCCTGTTGGCTCTGTAAACAAGATGTAAGACTCTTGC 575  
 120 CGGCAAGGCCCCCTGCTGTCGGTGAAGGCTCGCAAGAAACGACAAACCGCTCAACA 179  
 576 TGATAACAACACTCAAAAGCGCTG---TGTGTTGTTAGACAGCTACACCTTAATGACA 632  
 180 CGCGGCTCCACCGGCTCGGCTGCGACGCGGCGGCAAGCTCAATGTCCTCTCCCA 239  
 633 TCAACCTTGGTGTGAGCGACGACCTTGGCTAGCTTCCGCGCTGCTTCAATTTTGG 692  
 240 GAGCCCTGGCGCGTCAAGCGAGCTGTGTACGGCTGGGCGCGCTCAAGCTGCGCG 299  
 693 TGTAGCGAAGCTATTGTTGTTGCTGCTTGTGACACTACATTCACCTTACTGCGCT 752  
 300 CAGCTCCGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 359  
 753 CAAGGTAAGAGATGTTGTTCAAGTAACCACTGGTCTGCTTGAACCTTGGCTTAAAC 812  
 360 CGGCGCAAGAAAGATGATGTGACAGGACCAACACCGGTGCGACCTGGCGACAAAC-- 417  
 813 TGTGCTCACTTGACTTGCACAAATGCCGCGTGTGTTGTTGATCTCAATGATGTTGC 872  
 418 -----CAGTTGACCTGGCAATCCCGGTTGGTGTGCTGTTATTTTCAACGCTGCAC 470  
 873 CACTCAATGGGTTGCTCCACCGATGTTGGGTTGCAAGATACGCGGCTGTTTCTTTCGC 932  
 471 CCACCAAGTACGGCGCTCCCGCAAGGCTGGGCGACACGCTACGCGGCAATCAATCA 530  
 933 CTCTGACTGTTTAACTTCTTCTGACCTTCAAGGTTGTTAGTGAATGGAATTCGGCTG 992  
 531 GGAAGATGCGAATCTTCCCGAAGGCTTCAAGCCCGGCTCAACTGCGCTTGCATG 550  
 993 GTTCAAAAGCTGATTAACCAACCATGACCTTCAAAACAAATTACCTGTCCCAAGCTAT 1052

DB 591 GTTCAAAAGCTGATTAACCAACCATGACCTTCAAAACAAATTACCTGTCCCAAGCTAT 1052  
 QY 1053 CACTGCAAGTGTGGCTGTTCAAGAAA 1079  
 DB 651 CAGTCAAGAGCGCTGCTCCGTTAA 677

RESULT 5  
US-10-007-521-1

Sequence 1, Application US/10007521  
 Publication No. US20030054539A1  
 GENERAL INFORMATION:

## APPLICANT:

Schulein, Martin  
 Andersen, Lene N.  
 Laessen, Soren F.  
 Kauppinen, Markus S.  
 Lange, Lene  
 Nielsen, Ruby I.  
 Ihara, Michiko  
 Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1 Endoglycanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSES: No. US20030054539A1 No. US20030054539A1disk of No. US200300545

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366,200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 960 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 113..787

SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 US-10-007-521-1

Query Match 16.4%; Score 178; DB 9; Length 960;  
 Best Local Similarity 57.6%; Pred. No. 2.1e-45;  
 Matches 363; Conservative 0; Mismatches 255; Indels 12; Gaps 2;

456 CTCGGGTAATGTTGAACCACTGGCTAGTGGATTGTTAGACCTTCTTGCAGTTGGCC 515  
 172 CTGGGCACTGGCCAGACGACCCGGTACCTGGTACCTGCAAGACGAGCTGGCTGGCC 231  
 516 CGTAAAGCTGATGTCACCTCCCTGTTGGCTCTGTAAACAAGATGTAAGACTCTTGC 575  
 232 CGGCAAGGCCCCCTGCTGCTGGTGAAGGCTTGCACAAAGACCAACCCGCTCAACGA 291

|    |      |  |                                 |      |
|----|------|--|---------------------------------|------|
| Oy | 576  | CGATTAACAACACTGACAAAACGGCTG---                                 | TTGTGGGTGTACAGTACACCGTGAATGACAA | 632  |
| Db | 282  | CGCGCGGCTTCACCCGGGTCCGGCTCGACACCGGGCGGACAGCGCTTACATGTCCTCCCA   |                                 | 351  |
| Oy | 633  | TCAACTTGGGTTGTTTAGCGACGACCTTGCTCTTAACGGTTTCGCGCTGCTTCCATTTCTGG |                                 | 692  |
| Db | 352  | GAGCCCTCGGGCGGCTTCAGGACGAGCTGTCTACGGCTGGGCGGCGCTCAAGCTCGCGG    |                                 | 411  |
| Oy | 693  | TGTGACGGAAGCTACTGTGTGTGTGTGCTGTTCGAATCACAATTCACTTAACTCCGT      |                                 | 752  |
| Db | 412  | CAGCTCCGAGTGCAGTGGGTGTGCGCTGTCTACGAGTGAACCTTACACGCGGCGGGT      |                                 | 471  |
| Oy | 753  | CAAGGTTAAGAAGATGCTGTCTTCAAGTAAACAACACTGCTTTGACCTTGGCTCTAAAC    |                                 | 812  |
| Db | 472  | CGCGGGCAAGAAGATGATGTGTCAAGCGACCAACACCGGTGGCGACTGGGCGACAAC--    |                                 | 529  |
| Oy | 813  | TGTGCTCACTTGACTTGCAATGCGGAGTGGTGTGTGTATCTACATGATGTTGTG         |                                 | 872  |
| Db | 530  | -----CACTTTGACTGTGGCAATCCCGGATGGCGGTGTGCGTATTTTCAACCGCTGCAC    |                                 | 582  |
| Oy | 873  | CACTCATGCGGTGTCTCCACCCGATGGTTGGGGTGCAGATACGGCGGTGTTCTTCTGC     |                                 | 932  |
| Db | 583  | CGACCAATACGGCGGTCTCCCGGAAAGCGCTGGGGCGACCGCTACGGGGGATCATTTCCAA  |                                 | 642  |
| Oy | 933  | CTGTGACTGTTCTAACTTCTCTTCTGCGCTTCAAGCTGTTGAAGTGAGATTCGAGT       |                                 | 992  |
| Db | 643  | GGAAGAGTGCAGATCTTCTCCCGGAGGCGCTCAAGCCGCGCTGGAATGGGGCTTCACTG    |                                 | 702  |
| Oy | 993  | GTTTCAAAAACGCTGATTAACCCAAACATGACTTACAAACAAGTTAACTGTGCCAAGCTAT  |                                 | 1053 |
| Db | 703  | GTTTCAAAAACGCGACAAACCGCTGGTCACTTTCACAGAGGTGSCCTGCGCGGTGGAGCT   |                                 | 762  |
| Oy | 1053 | CAGTGCCAAGTCTGGCTGTTCAGAAATAA                                  |                                 | 1082 |
| Db | 763  | CACGTCCAAAGACGGGTGCTCCCGTTTAAAG                                |                                 | 792  |

```

1 NAME: Lambiris, Elias J.
2 REGISTRATION NUMBER: 33, 728
3 REFERENCE/DOCKET NUMBER: 4366.200-US
4 TELECOMMUNICATION INFORMATION:
5 TELEPHONE: 212-867-0123
6 TELEFAX: 212-878-9655
7 INFORMATION FOR SEQ ID NO: 3:
8
9 SEQUENCE CHARACTERISTICS:
10
11 LENGTH: 894 base pairs
12 TYPE: nucleic acid
13 STRANDEDNESS: single
14 TOPOLOGY: linear
15 MOLECULE TYPE: cDNA
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17 FEATURE:
18 NAME/KEY: CDS
19 LOCATION: 1..891
20
21 SEQUENCE DESCRIPTION: SEQ ID NO: 3:
22
23 US-10-007-521-3

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; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/651,136
; FILING DATE: 21-MAY-1996
; ATTORNEY/AGENT INFORMATION:

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Page 6

|                           |        |                    |            |              |
|---------------------------|--------|--------------------|------------|--------------|
| Query Match               | 15.9%; | Score 171.8;       | DB 9;      | Length 1261; |
| Best Local Similarity     | 57.7%; | Pred. No. 2.2e+43; |            |              |
| Matches 355; Conservative | 0;     | Mismatches 242;    | Indels 18; | Gaps 2;      |

[illegible]

RESULT 8  
US-10-007-521-13  
; Sequence 13, Application US/10007522Z  
; Publication No. US20030054539A1  
; GENERAL INFORMATION:

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|    | Query Match           | 15.7%  | Score 170.2       | DB 9      | Length 913 |
|----|-----------------------|--|-------------------|-----------|------------|
|    | Best Local Similarity | 57.7%  | Pred. No. 5,7e-13 |           |            |
|    | Matches 370           | Conservative 0   | Mismatches 253    | Indels 18 | Gaps 3     |
| Qy | 446                   | CTGGGCGGCTCCGGTATGTGTGAACCACTCGCTACTGGAGTATTGTAAAGCTTT     |                   |           | 505        |
| Db | 84                    | CTGCACATGAAGCACTACGCGCGTGAACAACAGATGACTGGACCTGCGAAGCCGCTTT |                   |           | 143        |
| Qy | 506                   | GCAGTGTGCCCCGTAGAGCTATGACCTCCCTGTGGCTCTCTGTAAACAAGATGTA    |                   |           | 565        |
| Db | 144                   | GTGCTTGGACGGGCAAGGATCCGTTCTCAAGCCCGATCGGAACCTGGACATCAAGACA |                   |           | 203        |
| Qy | 566                   | AACCTCTTGTATTAACAACACTCAAAACG---CTGTGTGGTGTAGACGACCTACCT   |                   |           | 622        |
| Db | 204                   | AGCGCCACGCGGACGATCTGCTCAGATGTCTGTATGACGCGACGCCCTTAATCT     |                   |           | 263        |
| Qy | 623                   | GTATGACATCAACTCTTGGTTGTATGACGACACTTGCCTACGGTTTGGCCGCTGTT   |                   |           | 682        |
| Db | 264                   | GGAGAACACAGGCGCCATGGCGCGTGAACAACACCTTTCTACGGCTTGCGTCCGCA   |                   |           | 323        |
| Qy | 683                   | CCATTTCTGTGTGACGAGCTACTTGTGTGTGTGCTGTTTGCAACTCATTCACCT     |                   |           | 742        |
| Db | 324                   | AGCTGTCCGGAAGCAGAGACTATATGGTGTGTGTGTGCTGACAGCTCATTCACCT    |                   |           | 383        |



Qy 743 CTACTGCGTCAAGGTAAGAATGTTGTTCAAGTAACCAACTGTTCTGACCTTG 802  
 Db 384 CCACCGCGGTTTCCGGCAAGAAATGATGTCGAATCAGCAACCGGCGCGGCTCG 443  
 Qy 803 GCTTAACACTGCTGCTCACTTTGACTTGCAAAATGCCGGTGTGTGTGTATCTACA 862  
 Db 444 GCAACAC-----CACTTCGACATGCGCCGGCGCGGCGCTCGCATCTTCA 494  
 Qy 863 ATGTTGTGCACTCAATGGGGTCTCCACCGATGTTGGGAGTGCAGATACGGCGGTG 922  
 Db 495 ACGGCTGCTCCAGCAATGAGAACCGCATCA-----TCTGGCAACCAAGTATGGCGCT 548  
 Qy 923 TTTCTTCTGCTGACTGTTCTTAACCTTCTTCTGCGCTTCAAGCTGTTGAATGA 982  
 Db 549 TCACGACCGCTCCGAATGTGCGAGCTCCGCTCCAGTGGCAGGCGAGTGCACATGCG 608  
 Qy 983 GATTGCGTGTTCAAAAACGCTGATACCCCAACCATGACCTGACAAAGTATCTGTC 1042  
 Db 609 GCTTCGACTGTGTGAGAAATGCCAGCAACCCACCGTGCATTTGGGAGCTGTCACTGCC 668  
 Qy 1043 CCAAGCTATCACTGCGCAAGTCTGGCTGTTCAGAAATAA 1083  
 Db 669 CACAGAAATTGTGCGCCGCGAGCTGTTCCTTACTTA 709

## RESULT 9

US-10-007-521-23

Sequence 23, Application US/10007521

Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

Larsen, Lene N.

Kauppinen, Markus S.

Lange, Lene

Nielsen, Rudy I.

Ihara, Michiko

Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1 Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESSES:

ADDRESSEE: No. US20030054539A1 No. US20030054539A1disk of No. US200300545

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-May-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambirth, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366,200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:

LENGTH: 885 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 1..882  
 SEQUENCE DESCRIPTION: SEQ ID NO: 23:  
 US-10-007-521-23

Query Match 15.5%; Score 168.4; DB 9; Length 885;  
 Best Local Similarity 57.7%; Pred. No. 2,1e-42;  
 Matches 367; Conservative 0; Mismatches 251; Indels 18; Gaps 3;

Qy 446 CTGTGCTGCTCCGTAATGTGTAACCACTGCTCTCTGGAATGTTGTAAGCTTCTT 505  
 Db 44 CTGCACTGAAGCCACTAGCGGCGCTGCAACACAGTACTGGGACTGTGCAAGCGCTT 103  
 Qy 506 GCAATGGCCCGGTAAAGCTGATGTCACTCCCTGTGTGGCTCTGTAACAAAGATGTA 565  
 Db 104 GTGCTTGAAGGGGAAAGCATCCGCTTCGAAGCCCGTGGAACTTGAGCAATCAACGA 163  
 Qy 566 AGACTTGTGTATMAACAATCAAAACG---CTGTGTGTGTGTAGCAGTACACT 622  
 Db 164 ACGCCAGAGCGCGAGGAGATCTGCTCAAGTGTCTGTGATGGCGAGCGCTTACT 223  
 Qy 623 GTAATGAATCAACTTTGGGTTGTAGCAAGCACTTGCCTTACGCTTGGCGCTGCTT 682  
 Db 224 GCAAGCAACAGGGCCCATGGGCGCTGAACGACAGCTTTCCTTACGCTTGGCGCTG 283  
 Qy 683 CCAATTTGTGTGTAGGAGAGCTACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 742  
 Db 284 AGCTGTCCGAAAGACAGAGACTGATTTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 343  
 Qy 743 CTACTGCGTCAAGGTAAGAATGTTGTTCAAGTAACCAACTGTTCTGACCTTG 802  
 Db 344 CCACCGCGGTTTCCGGCAAGAAATGATGTCGAATCAGCAACCGGCGCGGCTCG 403  
 Qy 803 GCTTAAACTGCTGCTCACTTTGACTTGTGCAAAATGCCGGTGTGTGTGTATCTACA 862  
 Db 404 GCAACAC-----CACTTCGACATGCCCATGCCGCGCGGCGCTCGGCACTTCA 454  
 Qy 863 ATGTTGTGCACTCAATGGGGTCTCCACCGATGTTGGGGTGCAAGATACGGCGGTG 922  
 Db 455 ACGGCTCTCCAGCAATGAAACGCGATCA-----TCTGGCAACCAAGTATGGCGCT 508  
 Qy 923 TTTCTTCTGCTGACTGTTCTTAACCTTCTTCTGCGCTTCAAGTGTGTGTAGTGA 982  
 Db 509 TCACGACCGCTCCAGATGTGCCAGCTCCCGTCCAGTGGCAGCGCAGCTGCAACTGCC 568  
 Qy 983 GATTGCGTGTTCAAAAACGCTGATTAACCAACATGACTTACAAACAAAGTATCTGTC 1042  
 Db 569 GCTTCGACTGTGTGAAATGCCAGCAACCCACCGTGCATTTGGGAGCTGTCACTTGGC 628  
 Qy 1043 CCAAGCTATCACTGCGCAAGTCTGGCTGTTCAGAA 1078  
 Db 629 CACAGAAATTGTGCGCCGCGAGCTGTTCCTGTA 664

## RESULT 10

US-09-735-787-1

Sequence 1, Application US/09735787

Patent No. US20010036910A1

GENERAL INFORMATION:

APPLICANT: Rasmussen, Grethe

Mikkelsen, Jan Moller

Schuelein, Martin

Parkar, Shankant A.

Hagen, Fred

TITLE OF INVENTION: A Cellulase Preparation Comprising an

Endoglucanase Enzyme

NUMBER OF SEQUENCES: 33

CORRESPONDENCE ADDRESSES:

ADDRESSEE: No. US20010036910A1 No. US20010036910A1disk of No. US200100369

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

Wed Jun 18 17:55:58 2003

us-09-807-933b-6.rnjb

Page 8

COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/735,787  
FILING DATE: 13-Dec-2000  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 09/189,028  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 3469.214-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: Humicola insolens  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
STRAIN: DSM 1800  
FEATURE:  
NAME/KEY: mat peptide  
LOCATION: 73..924  
FEATURE:  
NAME/KEY: sig peptide  
LOCATION: 10..72  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 10..924  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-735-787-1  
Query Match 14.9%; Score 161.8; DB 10; Length 1060;  
Best Local Similarity 58.7%; Pred. No. 2.7e-40;  
Matches 346; Conservative 0; Mismatches 222; Indels 21; Gaps 3;  
DB 458 CCGGTATGTGTAACACACTGCTACTGGAATTTGTTAAGCTTCTTGCACTTGCGCCG 517  
71 CCGGTATGTGTAACACACTGCTACTGGAATTTGTTAAGCTTCTTGCACTTGCGCCG 130  
DB 518 GTAAGCTGATGTCACCTCCCTGTTGGCTCCCTGTAACAAGATGGTAGACTCTTGCTG 577  
131 AGAAGGCTCCCGTGAACAGCTGTCTTCTTGCAACGCAACTCCAGCGTATCAGG 190  
DB 578 ATAACAACACTCAAAAGCGCTGTG---TTGGTGTAGACACTTACCTGTAATGCAATC 634  
191 ACTTGACGCCAAGTCCGGCTGGAGCGGGCGGTGTGCGCTACTGTGCGCGCAACA 250  
DB 635 AACCTTGGGTTGTAGCAGACACTTGTGCACTGCTTCCGCGCTGCACTTCTGATG 694  
191 ACTTGACGCCAAGTCCGGCTGGAGCGGGCGGTGTGCGCTACTGTGCGCGCAACA 250  
DB 695 GTAGGAGACTACTGTTGTGTGTGCTGTTTGAATCACTCACTTCACTTCTGATG 754  
311 GCAATGAGCGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 370  
DB 755 AGGTAAGAAGTGTGTTTCAAGTAACCAACTGTTGCACTTGGCTGCTTACACTG 814  
371 CTGGCAAGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 426  
DB 815 GTGCTCACTTGTGCTGCAAAATGCCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTG 874  
Query 14.9%; Score 161.8; DB 10; Length 1060;  
Best Local Similarity 58.7%; Pred. No. 2.7e-40;  
Matches 346; Conservative 0; Mismatches 222; Indels 21; Gaps 3;

DB 427 -----CACTTCGATCTCAACATCCCGGCGGCGCTGCGCATCTTGACGAGTCACTC 481  
CY 875 CTGAATGGGTTGCTCCACCGAGTGTGGGAGTGAAGTACGCGGCTTCTTCTGCT 934  
DB 482 CCGGTTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 532  
CY 935 CTGACTGTTCAACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 994  
DB 533 ACAGTGCATGCTGCTTCCCGACGCTTCAAGCGGCTGCTGCTGCTGCTGCTGCTGCT 592  
CY 995 TCAAAAGCTGATTAACCAACCATGACCTTACAAACAACTTACCTGCTC 1043  
DB 593 TCAAGAACGCGACATTCAGCTTCACTTCCGTCAGGTCAGTGTCC 641

RESULT 11  
US-10-007-521-21  
Sequence 21, Application US/10007521  
Publication No. US20030054539A1  
GENERAL INFORMATION:  
APPLICANT: Schuelein, Martin  
Andersen, Lene N.  
Laessen, Soren F.  
Kauppinen, Markus S.  
Lange, Lene  
Nielsen, Rudy I.  
Ihara, Michiko  
Takagi, Shinobu  
TITLE OF INVENTION: No. US20030054539A1el Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSER: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/007,521  
FILING DATE: 10-Dec-2001  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136  
FILING DATE: 21-May-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1132 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 42..971  
SEQUENCE DESCRIPTION: SEQ ID NO: 21:  
US-10-007-521-21  
Query Match 14.9%; Score 161.6; DB 9; Length 1132;  
Best Local Similarity 56.0%; Pred. No. 3.3e-40;  
Matches 355; Conservative 0; Mismatches 264; Indels 15; Gaps 2;

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Qy 437 CCGCTGCTCTGAGTGGCTCCGGTAATGTAACACACTGCTACTGAGATTGTGTA 496
Db 76 CCGGTTGGCCGCGCAGTCTCTGGCACCAGCCGACACAGATACAGGAGCTGTGCA 135
Qy 497 AGCCTTCTGAGATTGGCCCGGTAAAGGTATGTCACTCCCTGTTGGCTCTGTACA 556
Db 136 AGCCGTCTGAGGAGGAGCAAAAAGGCTCCGTGACGACCCGTCMAAGACGTGCGTA 195
Qy 557 AGATGTAAGACTCTTGTCTGATTAACAACACTCAAAAAGGCTGTTGTTGTTGAGCACT 616
Db 196 GGAACAACAACCTCTGCGCTGACAGCCAGAGAGCGGCTGCAATTCACAGCGCTGCT 255
Qy 617 ACACCTGTAATGACATCACTTGGGTTGTTAGGAGCACTTGGCTTACGTTTTCGCG 676
Db 256 ACACGTGAAGATTAACAGCGGAGGCTGTCAACGATACCTGGCTATGTTTGTGCTG 315
Qy 677 CTGCTTCATTCTGTTGTTAGCGAAGCTTACTGTTGTTGCTGTTGCACTACAT 736
Db 316 CCAGGCTTTCAGTGTGTGATCGAGGCGACGCTGTGCTGTCTATGCTCTTCACT 375
Qy 737 TCACCTTACTGCGGTCAAGGGTAAGAATGTTGTTCAAGTAAACCAACCTGGTTCTG 796
Db 376 TCACCTCGCGCCCTGTGCGGAAAGACCATGTGTCTCACTCGACAAACACCGCGCG 435
Qy 797 ACCTTGGCTTAACACTGCTGCTCACTTGTGACTTGCATATGCCGAGTGTGTGTTGTA 856
Db 436 ACCTCAGGCGCAAC-----CACTTGAATCTCTATGCTCGGCGGCGCGCTGCA 486
Qy 857 TCTCAATGTTTGTGCACTCAATGGGGTGTCTCCACCGATGTGGGGTGCAGATGCG 916
Db 487 TCTTCAAGCGCTGACCCCGCAATGGGGCTGCACTTCCCGGAAACCGC-----TAG 540
Qy 917 GCGGATTTCTTGTGCTCTGACTGTTTAACTTCTTCCCTTCCCTTCAAGCTGTTGTA 976
Db 541 GCGGACCAACAGCGCGACGCAAGCTCTCCAAATCCCTCGGCTCTGAGCGCGCTGCA 600
Qy 977 AGTGAATTTGGCTGTTCAAAACGCTGATTAACCAACCATGACTTCAACAAAGTTA 1036
Db 601 ACTGCGGATGACATGTTTCAACGACGCGCAACCCGACGATGCTGTGGCGCGCTCC 660
Qy 1037 CTTGCTCCAGGCTATCACTGCTCCAAAGTTGCTG 1070
Db 661 AGTCCCGCGCACTACCGACCGCACCGGCTG 694

RESULT 12
US-10-007-521-7
; Sequence 7, Application US/10007521
; Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Anderseu, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Rudy I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESS: No. US20030054539A1o No. US20030054539A1disk of No. US200300545
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/10/007,521
; FILING DATE: 10-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/651,136
; FILING DATE: 21-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambirth, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4366,200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
;
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1154 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 51..935
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-007-521-7

Query Match 14.9%; Score 161.6; DB 9; Length 1154;
Best Local Similarity 56.0%; Pred. No. 3.3e-40;
Matches 355; Conservative 0; Mismatches 264; Indels 15; Gaps 2;

Qy 437 CCGCTGCTCTGAGTGGCTCCGGTAATGTAACACACTGCTACTGAGATTGTGTA 496
Db 85 CCGGTTGGCCGCGCAGTCTCTGGCACCAGCCGACACAGATACAGGAGCTGTGCA 144
Qy 497 AGCCTTCTGAGATTGGCCCGGTAAAGGTATGTCACTCCCTGTTGGCTCTGTACA 556
Db 145 AGCCGTCTGAGGAGGAGCAAAAAGGCTCCGTGACGACCCGTCMAAGACGTGCGTA 204
Qy 557 AGATGTAAGACTCTTGTCTGATTAACAACACTCAAAAAGGCTGTTGTTGTTGAGCACT 616
Db 205 GGAACAACAACCTCTTGTGCGCGCGCTGTGAGCGGCTGCAACCCACCGCGTTGAT 264
Qy 617 ACACCTGTAATGACATCACTTGGGTTGTTAGCGACGACTTGGCTTACGTTTTCGCG 676
Db 265 TCACCTGCAACGACAAACAGCTTGGCGCGTAACCAACATGTGCTTACGCTTTTGGG 324
Qy 677 CTGCTTCATTCTGTTGTTAGCGAAGCTTACTGTTGTTGCTGTTGCACTACAT 736
Db 325 CTACCGCTTCCCTGTGAGCAATGAGCGGTGTGCTGTGCTGTATGCTCTTCAAT 384
Qy 737 TCACCTTACTGCGGTCAAGGGTAAGAATGTTTTCATCAAGTAAACCAACCTGTTCTG 796
Db 385 TCACATCCGCGCCCTGTGAGCAAGAGATGTTGTCATTCACCAACCTGCGGAG 444
Qy 797 ACCTTGGCTTAACACTGCTGCTCACTTGTGACTTGCATATGCCGAGTGTGTGTA 856
Db 445 ATCT-----CAGCGGCACTCACTTCAATTCAGATGCCGCTGAGAGTCTCGGCA 495
Qy 497 AGCCTTCTGAGATTGGCCCGGTAAAGGTATGTCACTCCCTGTTGGCTCTGTACA 556
Db 496 TCTTCAAGCGCTGACCCCGCAGTTCAGGCTTCAAGTTCCTCCGCAACCGC-----TAG 549
Qy 557 AGATGTAAGACTCTTGTCTGATTAACAACACTCAAAAAGGCTGTTGTTGTTGAGCACT 616
Db 549 GCGGATTTCTTGTGCTCTGACTGTTTAACTTCTTCCCTTCCCTTCAAGCTGTTGTA 976
Qy 917 GCGGATTTCTTGTGCTCTGACTGTTTAACTTCTTCCCTTCCCTTCAAGCTGTTGTA 976
Db 917 GCGGATTTCTTGTGCTCTGACTGTTTAACTTCTTCCCTTCCCTTCAAGCTGTTGTA 976
Qy 977 AGTGAATTTGGCTGTTCAAAACGCTGATTAACCAACCATGACTTCAACAAAGTTA 1036
Db 610 ACTGCGGATGACATGTTTCAACGATGCGCAACCCCAAGTCACTGCGCGCGCTCC 669
Qy 1037 CTTGCTCCAGGCTATCACTGCTCCAAAGTCTGCTG 1070
Db 670 GATGCGGCGCGCCCTCAACGACCGCTCGGCTG 703

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REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-867-9655  
INFORMATION FOR SEQ ID NO: 19:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1031 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 11..889  
SEQUENCE DESCRIPTION: SEQ ID NO: 19:  
US-10-007-521-19

Query Match 14.6%; Score 158.4; DB 9; Length 1031;  
Best Local Similarity 54.8%; Pred. No. 3.2e-39;  
Matches 362; Conservative 0; Mismatches 286; Indels 12; Gaps 2;

421 GCTTCTCAAACTACTCCGCTGTCTCTGTGTGCTCCGCTAATGTGAAACCACTCCG 480  
26 GCTCCATTGATCATCTGGCCGCTCCGCTCAAGGCAAGCAGAGGATTCAGACCCGC 85  
481 TACTGGATTGTGTAAGCCTTCTTGAGTGGCCCGGTAAAGCTGATGTCACCTCCCT 540  
86 TACTGGATTGTGTAAGCCTTCTTGAGTGGCCCGGTAAAGCTGATGTCACCTCCCT 145  
541 GTTGCTCTCTGTAAACAAGATGTAAAGATCTTGTGTAAACAACAACCTCAAAACGGCTGT 600  
146 GTCAAGACTTGCGATCGTAATGAAATACACTTGGCCAGAGTGAAGAGCGATGTAT 205  
601 GTTGCTCTCTGTAAACAAGATGTAAAGATCTTGTGTAAACAACAACCTCAAAACGGCTGT 660  
206 AGCGGTGAAAGTCAATCTGCTGCGCGCAATGTGCTCAATTTGCAATTAACAACCT 265  
661 GCCTACGGTTTGGCGGCTGCTTCAATTTCTGTGTGTAAGAGTACTTGTGTGTGTC 720  
266 GCATATGTTTGTGCTGACCCCACTTACGGGCTCTAGCGAAGCAGCTGTGTGTGTCAG 325  
721 TGTTCGAATCACTACCTCACTTACCTGCTCAAGGCTAAGAGATGATGTTCAAGTA 780  
326 TGCTACGAATGACCTTACAGATGACCCGATGTGGAAGAACTACACGTTCAATGTC 385  
781 ACCAAGCTGTTCTGACCTTGTGCTTAAACACTGTGCTCACTTGAATGCAATGCCC 840  
386 ACCAAGCTGTTCTGACCTTGTGCTTAAACACTGTGCTCACTTGAATGCAATGCCC 436  
841 GGTGTGTGTTGTGATCTAACAATGTTGTGCACTCAATGAGGCTGCTCCACGATGCT 900  
437 GGTGTGTGTTGTGATCTAACAATGTTGTGCACTCAATGAGGCTGCTCCACGATGCT 494  
901 TGGGTGCAAGTACGCGGTGTTCTTCTGCTCTGATGTTCTTCAACCTTCTTCTGCC 960  
495 -GGGGTGTCAATAGGGGGGTGTGTCAGCGGTACCAATGCTCCCACTTCCAGACCT 553  
961 CTTCAGCTGTTGTAAGTGAAGATGCGCTGTTCAAAAACGCTGATTAACCAACATG 1020  
554 GTGCAAGCTGATGCAATTCGTTTCACTGATGAGGTGCGCGATTAACCCCAACCTC 613  
1021 ACCTCAAAACAAGTACCTGCTCCCAAGGATACCTGCAAGTCTGCGGTTTCAAGAAA 1080  
614 ACCTTCGACCTGTACCTGCTCCAGCGACCTCACTAATATCTCGGGCTGTGTGTA 673

RESULT 15  
US-10-007-521-17  
Sequence 17, Application US/10007521  
Publication No. US20030054539A1  
GENERAL INFORMATION:  
Applicant: Schuelein, Martin  
Andersen, Lene N.

Laesen, Soren F.  
Kauppinen, Markus S.  
Lange, Lene  
Nielsen, Ruby I.  
Thara, Michiko  
Takagi, Shinobu  
TITLE OF INVENTION: No. US20030054539A1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. US20030054539A1 No. US20030054539A1disk of No. US20030054539A1  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/007,521  
FILING DATE: 10-Dec-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-867-9655  
INFORMATION FOR SEQ ID NO: 17:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1048 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 13..906  
SEQUENCE DESCRIPTION: SEQ ID NO: 17:  
US-10-007-521-17

Query Match 14.6%; Score 158.4; DB 9; Length 1048;  
Best Local Similarity 54.8%; Pred. No. 3.2e-39;  
Matches 362; Conservative 0; Mismatches 286; Indels 12; Gaps 2;

421 GCTTCTCAAACTACTCCGCTGTCTCTGTGTGCTCCGCTAATGTGAAACCACTCCG 480  
43 GCTCCATTGATCATCTGGCCGCTCCGCTCAAGGCAAGCAGAGGATTCAGACCCGC 102  
481 TACTGGATTGTGTAAGCCTTCTTGAGTGGCCCGGTAAAGCTGATGTCACCTCCCT 540  
103 TACTGGATTGTGTAAGCCTTCTTGAGTGGCCCGGTAAAGCTGATGTCACCTCCCT 162  
541 GTTGCTCTCTGTAAACAAGATGTAAAGATCTTGTGTAAACAACAACCTCAAAACGGCTGT 600  
163 GTCAAGACTTGCGATCGTAATGAAATACACTTGGCCAGCGTGAAGAGCGATGTAT 222  
601 GTTGCTCTCTGTAAACAAGATGTAAAGATCTTGTGTAAACAACAACCTCAAAACGGCTGT 660  
223 AGCGGTGAAAGTCAATCTGCTGCGCAACATGTTCAATTTGATGATCAATTAACACT 282  
661 GCCTACGGTTTGGCGGCTGCTTCAATTTCTGTGTGTAAGAGTACTTGTGTGTC 720  
283 GCATATGTTTGTGCTGACCCCACTTACGGGCTCTAGCGAAGCAGCTGTGTGTCAG 342  
721 TGTTCGAATCACTACCTTACTGCGCTCAAGGCTAAGAGATGTTGTTCAAGTA 780

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Db      343 TCCTACGAATTGACGTTTACGAGTGGACCCGTAATTGGGAGAAAGAACTGACCGTTCAAGTC 402
Qy      781 ACCAACACTGTTCTGACCTTGCTCTTAACACTGCTGCTCACTTTGACTTGCMAATGCC 840
Db      403 ACAACACGGGAGGTGACCTCGGAATTA-----TCACTTGGACCTGATGATCCC 453
Qy      841 GGTGGTGTGTGTGATCTACAAATGTTGTGCCACTCAATGGGGTGTCTCCACCGATGT 900
Db      454 GGTGGAGGTGTGGCTCTTTCACACAAGATGCTGCTCAATTGGGAGGTGGAAG-- 511
Qy      901 TGGGGTGCAAGATACGGCGGTGTCTTCTGCTCTGACTGTTCTTAACCTTCTTGGC 960
Db      512 -GGGGTCTCAATACGGGGGTGTGTCCAGCCGTGACCAATGCTCCCACTTCCAGCAGCT 570
Qy      961 CTTCAAGCTGTGTGTGAGATGAGATTCGGCTGTTCAAAAAGCTGATTAACCAACATG 1020
Db      571 GTGCAGCTGTGATGTCATTCGTTTCGATGGATGGTGGCGGATTAACCCCAACGTC 630
Qy      1021 ACCTACAAACAAGTTACTGTCCCAAGCTATCACTGCCAAGTGTGGCTGTTCAGAAAA 1080
Db      631 ACCTTCGACCTGTGACCTGCCCCAGGCGAGCTCATAATATCTCGGGCTGTGTCTAAA 690
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Search completed: June 18, 2003, 01:59:11  
Job time : 154.752 secs